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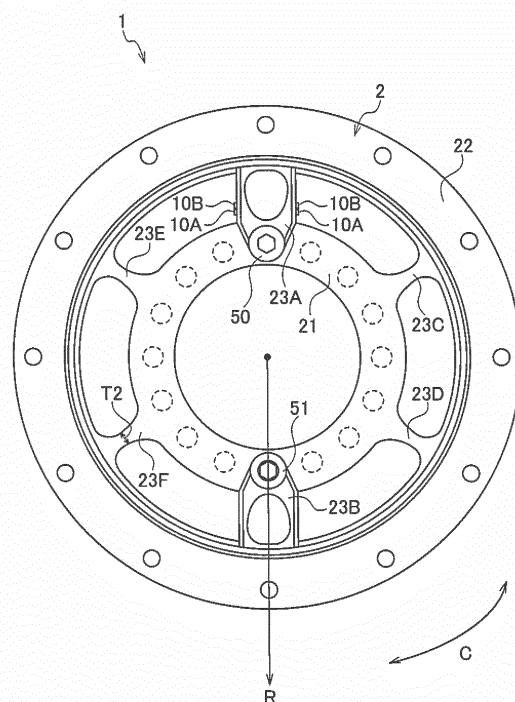
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(54) **ROBOT AND TORQUE SENSOR**

(57) A robot (100) includes a rotation axis (X1-X6) and a torque sensor (1). The torque sensor (1) is disposed on the rotation axis, and includes a strain generating body (2) and a strain sensor (10A, 10B). The strain sensor is mounted on a portion of the strain generating body (2). The strain generating body (2) includes an inner flange (21), a ring-shaped outer flange (22), and a plurality of spokes (23A-23F). The outer flange (22) is disposed further outward than the inner flange (21) in a radial direction of the inner flange. The plurality of spokes (23A-23F) are disposed between the inner flange and the outer flange and connect the inner flange and the outer flange to each other. At least one spoke of the plurality of spokes (23A-23F) is a separate spoke (23A, 23B) which is un-integral to the inner flange and the outer flange and on which the strain sensor (10A, 10B) is mounted.

FIG. 2





## EUROPEAN SEARCH REPORT

Application Number  
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The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>1 September 2017</b>	Examiner <b>Kielhöfer, Simon</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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